

## J. Summary of Herpetofauna, Mammal and Insect Surveys Conducted

**Table J1: Summary of herpetofauna monitoring in the Survey Area (excluding the WRA)**

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	August 2024 Occurrence <sup>(2)</sup>	August 2024 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Amphibian</b>	<b>No. of species recorded:</b>	<b>2</b>			
Asian Common Toad	<i>Duttaphrynus melanostictus</i>	-	1	0.5	0
Brown Tree Frog	<i>Polypedates megacephalus</i>	-	1	0.5	0
Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	August 2024 Occurrence <sup>(2)</sup>	August 2024 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Reptile</b>	<b>No. of species recorded:</b>	<b>1</b>			
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-	2	1.0	0

Note:

(1) Conservation status follows that of Fellowes *et al.* (2002), Chan *et al.* (2005) and Karsen *et al.* (1998).

(2) Indicates number of surveys recorded within the reporting period.

(3) Refers to the mean number of individuals recorded in the reporting period (excluding the WRA).

(4) Includes observations during other surveys and/or site visits.

(5) Two regular surveys were conducted.

V Indicates the species is recorded outside regular surveys

**Table J2: Summary of herpetofauna monitoring in the WRA**

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	August 2024 Occurrence <sup>(2)</sup>	August 2024 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Amphibian</b>	<b>No. of species recorded:</b>	<b>6</b>			
Asian Common Toad	<i>Duttaphrynus melanostictus</i>	-	1	1.5	0
Gunther's Frog	<i>Hylarana guentheri</i>	-	1	0.5	0
Chinese Bullfrog	<i>Hoplobatrachus chinensis</i>	PRC	1	0.5	0
Brown Tree Frog	<i>Polypedates megacephalus</i>	-	1	1.5	0
Asiatic Painted Frog	<i>Kaloula pulchra pulchra</i>	-	1	0.5	0
Ornate Pygmy Frog	<i>Microhyla fissipes</i>	-	2	14.0	0
Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	August 2024 Occurrence <sup>(2)</sup>	August 2024 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Reptile</b>	<b>No. of species recorded:</b>	<b>2</b>			

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	August 2024 Occurrence <sup>(2)</sup>	August 2024 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-	1	1.0	0
Many-banded Krait	<i>Bungarus multicinctus multicinctus</i>	-	1	0.5	0

Note:

- (1) Conservation status follows that of Fellowes *et al.* (2002), Chan *et al.* (2005) and Karsen *et al.* (1998).
- (2) Indicates number of surveys recorded within the reporting period.
- (3) Refers to the mean number of individuals recorded in the reporting period in the WRA.
- (4) Includes observations during other surveys and/or site visits.
- (5) Two regular surveys and 15 outside surveys were conducted.
- V Indicates the species is recorded outside regular surveys

**Table J3: Summary of mammal monitoring in the Survey Area (excluding the WRA)**

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	August 2024 Occurrence <sup>(2)</sup>	August 2024 Max <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Mammal</b>	<b>No. of species recorded:</b>	<b>1</b>			
Japanese Pipistrelle	<i>Pipistrellus abramus</i>	-	1	2	0

Note:

- (1) Conservation status follows that of Fellowes *et al.* (2002) and Shek (2006).
- (2) Indicates number of surveys recorded within the reporting period.
- (3) Refers to the maximum number of individuals recorded in the reporting period (excluding the WRA).
- (4) Includes observations during other surveys and/or site visits.
- (5) Eight regular surveys were conducted.
- V Indicates the species is recorded outside regular surveys

**Table J4: Summary of mammal monitoring in the WRA**

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	August 2024 Occurrence <sup>(2)</sup>	August 2024 Max <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Mammal</b>	<b>No. of species recorded:</b>	<b>1</b>			
Japanese Pipistrelle	<i>Pipistrellus abramus</i>	-	1	4	0

Note:

- (1) Conservation status follows that of Fellowes *et al.* (2002) and Shek (2006).
- (2) Indicates number of surveys recorded within the reporting period.
- (3) Refers to the maximum number of individuals recorded in the reporting period in the WRA.
- (4) Includes observations during other surveys and/or site visits.
- (5) Eight regular surveys and nine outside surveys were conducted.
- V Indicates the species is recorded outside regular surveys
- # Species tagged with '#' are Category II protected under terrestrial wildlife state protection.

**Table J5: Summary of dragonflies (odonata) and butterfly monitoring in the Survey Area (excluding the WRA)**

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	August 2024 Occurrence <sup>(2)</sup>	August 2024 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Odonata</b>	<b>No. of species recorded:</b>	<b>4</b>			
Orange-tailed Sprite	<i>Ceriagrion auranticum ryukyuanum</i>	-	1	1.0	0
Asian Amberwing	<i>Brachythemis contaminata</i>	-	1	0.5	0
Green Skimmer	<i>Orthetrum sabina sabina</i>	-	1	1.0	0
Variiegated Flutterer	<i>Rhyothemis variegata arria</i>	-	1	5.5	0

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	August 2024 Occurrence <sup>(2)</sup>	August 2024 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Butterflies</b>	<b>No. of species recorded:</b>	<b>3</b>			
Dark Brand Bush Brown	<i>Mycalesis mineus mineus</i>	-	1	0.5	0
Pale Grass Blue	<i>Pseudozizeeria maha serica</i>	-	1	0.5	0
Common Straight Swift	<i>Parnara guttata</i>	-	1	0.5	0

Note:

(1) Conservation status follows that of Fellowes *et al.* (2002), Lo & Hui (2004), Tam *et al.* (2011) and Young & Yiu (2002).

(2) Indicates number of surveys recorded within the reporting period.

(3) Refers to the mean number of individuals recorded in the reporting period (excluding the WRA).

(4) Includes observations during other surveys and/or site visits.

(5) Two Regular surveys were conducted.

V Indicates the species is recorded outside regular surveys

**Table J6: Summary of dragonflies (odonata) and butterfly monitoring in the WRA**

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	August 2024 Occurrence <sup>(2)</sup>	August 2024 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Odonata</b>	<b>No. of species recorded:</b>	<b>12</b>			
Orange-tailed Sprite	<i>Ceriagrion auranticum ryukyuanum</i>	-	2	2.5	0
Yellow Featherlegs	<i>Copera marginipes</i>	-	1	0.5	0
Common Flangetail	<i>Ictinogomphus pertinax</i>	-	2	5.0	0
Asian Pintail	<i>Acisoma panorpoides</i>	-	1	0.5	0
Blue Dasher	<i>Brachydiplax chalybea flavovittata</i>	-	1	1.0	0
Asian Amberwing	<i>Brachythemis contaminata</i>	-	1	1.5	0
Crimson Darter	<i>Crocothemis servilia servilia</i>	-	1	0.5	0
Green Skimmer	<i>Orthemis sabina sabina</i>	-	1	1.0	0
Wandering Glider	<i>Pantala flavescens</i>	-	2	2.5	0
Pied Skimmer	<i>Pseudothemis zonata</i>	-	1	0.5	0
Variiegated Flutterer	<i>Rhyothemis variegata arria</i>	-	2	17.0	0
Forest Chaser	<i>Lyriothemis elegantissima</i>	-	1	0.5	0

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	August 2024 Occurrence <sup>(2)</sup>	August 2024 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Butterflies</b>	<b>No. of species recorded:</b>	<b>9</b>			
Blue-spotted Crow	<i>Euploea midamus midamus</i>	-	1	0.5	0
Great Egg-fly	<i>Hypolimnas bolina kezia</i>	-	2	1.0	0
Common Evening Brown	<i>Melanitis leda</i>	-	2	1.0	0
Dark Evening Brown	<i>Melanitis phedima muskata</i>	-	1	0.5	0
Common Palmfly	<i>Elymnias hypermnestra hainana</i>	-	1	0.5	0
Dark Brand Bush Brown	<i>Mycalesis mineus mineus</i>	-	2	2.0	0
Pale Grass Blue	<i>Pseudozizeeria maha serica</i>	-	1	0.5	0
Paintbrush Swift	<i>Baoris farri</i>	-	-	-	V
Chinese Dart	<i>Potanthus confucius confucius</i>	-	1	0.5	0

Note:

(1) Conservation status follows that of Fellowes *et al.* (2002), Lo & Hui (2004), Tam *et al.* (2011) and Young & Yiu (2002).

(2) Indicates number of surveys recorded within the reporting period.

- (3) Refers to the mean number of individuals recorded in the reporting period in the WRA.
- (4) Includes observations during other surveys and/or site visits.
- (5) Two regular survey and 15 outside surveys were conducted.
- V Indicates the species is recorded outside regular surveys.